

What is claimed is:

1. A method of obtaining and presenting video surveillance information, comprising:
over a period of time, receiving position and orientation telemetry regarding operation of
a camera mounted on a moveable surveillance platform;
processing the telemetry to determine a view of the camera over the period of time;
5 displaying over time, the determined view of the camera on a user interface;
detecting a user selection of a view via the user interface, the selected view
corresponding to a portion of the period of time;
formulating an information request indicating the corresponding portion of the period of
time;
10 sending the information request to a facility having access to stored video information
received from the camera, over the period of time;
receiving one or more frames of video information generated by the camera, from the
facility, the one or more frames containing actual image data taken by the camera during the
corresponding portion of the period of time and corresponding to the user selected view; and
15 displaying the received one or more frames of video information to the user.
2. The method as in claim 1, wherein the step of displaying the determined view of
the camera on the user interface comprises:
displaying a map of a geographic region under surveillance by the moveable surveillance
platform; and
5 overlaying outlines of the determined view of the camera, for a plurality of points in time,
on the displayed map.
3. The method as in claim 2, wherein the step of detecting the user selection of the
view via the user interface comprises receiving a user selection of at least one displayed outline
of a determined view of the camera.
4. The method as in claim 3, wherein the step of detecting the user selection of the
view via the interface further comprises receiving a user selection of a time interval referenced to
the point in time corresponding to the selected displayed outline of a determined view of the
camera.

5. The method as in claim 3, wherein the step of receiving a user selection of at least one displayed outline comprises receiving user selection of a plurality of the displayed outlines of determined views of the camera.

6. The method as in claim 5, wherein the one or more frames of video information consist essentially of a plurality of selected still frame images.

7. The method as in claim 4, wherein the received and displayed video information comprises a video clip of a user selected duration.

8. The method as in claim 3, further comprising overlaying an indicator of the current location of the moveable surveillance platform on the displayed map, concurrent with the overlaying of the outlines of the determined view of the camera for the plurality of points in time.

9. A method of disseminating video surveillance information, comprising:
over a period of time, receiving and storing real-time video image information from a camera mounted on a moveable surveillance platform;

with the video image information, receiving position and orientation telemetry regarding
5 operation of the camera over the period of time;

transmitting notification messages to a user's client device, the notification messages including information regarding the telemetry;

receiving an information request from the user's client device, the information request identifying a user selected portion of the received real-time video image information; and

10 transmitting the selected portion of the video image information to the user's client device.

10. The method as in claim 9, wherein the step of receiving and storing video image information comprises:

receiving an analog video signal from the camera;

digitizing the received analog video signal;

5 indexing the digitized video signal; and

storing the digitized and indexed video signal.

11. The method as in claim 9, wherein the notification messages are transmitted periodically, and each video notification message contains information relating to a field of view of the camera at a point in time.

12. The method as in claim 9, wherein:

the received information request identifies a point in the received video image information and a time interval in relation to the identified point; and

the step of transmitting video image information comprises extracting a clip of video
5 information of the identified time interval in relation to the identified point, from the stored video image information, and transmitting the clip of video information to the user's client device.

13. The method as in claim 9, wherein:

the received information request identifies a plurality of user selected points in the received video image information; and

the transmitted video image information comprises video frames corresponding to the
5 user selected points.

14. A terminal device comprising a processor, a user interface, a communication interface, and a program for execution by the processor to cause the terminal to implement a sequence of steps, comprising:

over a period of time, receiving position and orientation telemetry regarding operation of
5 a camera mounted on a moveable surveillance platform;

processing the telemetry to determine a view of the camera over the period of time;

displaying over time, the determined view of the camera on the user interface;

detecting a user selection of a view via the user interface, the selected view
corresponding to a portion of the period of time;

10 formulating an information request indicating the corresponding portion of the period of time;

sending the information request to a facility having access to stored video information received from the camera, over the period of time;

receiving one or more frames of video information generated by the camera, from the
 15 facility, the one or more frames containing actual image data taken by the camera during the
 corresponding portion of the period of time and corresponding to the user selected view; and
 displaying the received one or more frames of video information to the user.

15. A server comprising a programmable processor, data storage and a
 communication interface, wherein the processor is programmed so as to cause the server to
 implement a sequence of steps for disseminating video surveillance information, the sequence of
 steps comprising:

5 over a period of time, receiving and storing real-time video image information from a
 camera mounted on a moveable surveillance platform, in the data storage;

with the video image information, continuously receiving position and orientation
 telemetry regarding operation of the camera over the period of time;

transmitting notification messages to a user's client device via the communication
 10 interface, the notification messages including information regarding the telemetry;

receiving an information request from the user's client device via the communication
 interface, the information request identifying a user selected portion of the received real-time
 video image information; and

transmitting the selected portion of the video image information to the user's client
 15 device via the communication interface.

16. The server as in claim 15, further comprising a video processor, for receiving an
 analog video signal from the camera, digitizing the received analog video signal and indexing the
 digitized video signal; wherein the server stores the digitized and indexed video signal in the data
 storage.

17. The server as in claim 15, wherein the program causes the processor to
 authenticate the user in response to the request.

18. A program product comprising code transportable on at least one machine
 readable medium, the code being executable by a processor of a terminal device to cause the
 terminal to implement a sequence of steps, comprising:

over a period of time, receiving position and orientation telemetry regarding operation of
 5 a camera mounted on a moveable surveillance platform;
 processing the telemetry to determine a view of the camera over the period of time;
 displaying over time, the determined view of the camera on a user interface;
 detecting a user selection of a view via the user interface, the selected view
 corresponding to a portion of the period of time;
 10 formulating an information request indicating the corresponding portion of the period of
 time;
 sending the information request to a facility having access to stored video information
 received from the camera, over the period of time;
 receiving one or more frames of video information generated by the camera, from the
 15 facility, the one or more frames containing actual image data taken by the camera during the
 corresponding portion of the period of time and corresponding to the user selected view; and
 displaying the received one or more frames of video information to the user.

19. The product as in claim 18, wherein the step of displaying the determined view of the camera on the user interface comprises:

displaying a map of a geographic region under surveillance by the moveable surveillance
 platform; and
 5 overlaying outlines of the determined view of the camera, for a plurality of points in time,
 on the displayed map.

20. The product as in claim 19, wherein the step of detecting the user selection of the view via the user interface comprises receiving a user selection of at least one displayed outline of a determined view of the camera.

21. The product of claim 19, wherein the step of detecting the user selection of the view via the interface further comprises receiving a user selection of a time interval referenced to the point in time corresponding to the selected displayed outline of a determined view of the camera.

22. The product of claim 19, wherein the step of receiving a user selection of at least one displayed outline comprises receiving user selection of a plurality of the displayed outlines of determined views of the camera.

23. The method of claim 22, wherein the one or more frames of video information consist essentially of a plurality of selected still frame images corresponding to the user selected outlines.

24. The method of claim 22, wherein the one or more frames of video information comprise a video clip of a user selected duration, and the start and end of the video clip correspond to two of the user selected outlines.

25. The method as in claim 20, further comprising overlaying an indicator of the current location of the moveable surveillance platform on the displayed map, concurrent with the overlaying of the outlines of the determined view of the camera for the plurality of points in time.

26. A program product comprising code transportable on at least one machine readable medium, the code being executable by a processor of a server so as to cause the server to implement a sequence of steps for disseminating video surveillance information, the sequence of steps comprising:

- 5 over a period of time, receiving and storing real-time video image information from a camera mounted on a moveable surveillance platform;
- with the video image information, receiving position and orientation telemetry regarding operation of the camera over the period of time;
- transmitting notification messages to a user's client device, the notification messages
- 10 including information regarding the telemetry;
- receiving an information request from the user's client device, the information request identifying a user selected portion of the received real-time video image information received over the period of time; and
- transmitting the selected portion of the video image information to the user's client
- 15 device.

27. The product as in claim 26, wherein the step of receiving and storing video image information comprises:

receiving an analog video signal from the camera;

digitizing the received analog video signal;

5 indexing the digitized video signal; and

storing the digitized and indexed video signal.

28. The product as in claim 26, wherein the notification messages are transmitted periodically, and each video notification message contains information relating to a field of view of the camera at a point in time.

29. The method as in claim 26, wherein:

the received information request identifies a point in the received video image information and a time interval in relation to the identified point; and

5 the step of transmitting video image information comprises extracting a clip of video information of the identified time interval in relation to the identified point, from the stored video image information, and transmitting the clip of video information to the user's client device.

30. The method as in claim 26, wherein:

the received information request identifies a plurality of user selected points in the received video image information; and

5 the transmitted video image information comprises video frames corresponding to the user selected points.

31. The method as in claim 26 wherein:

the received information request identifies a user selected frame in the received video image information; and

the transmitted video information comprises the user selected frame.

32. The method of claim 31, wherein the transmitted information consists of the user selected frame.